

# Vacuum Pumps

- 1 Cooling system sub-atmospheric starting from e-valves at detector manifolds
- 2 Redundant system of two vacuum pumps connected to air separator tank
- 3 Vacuum pump issues:
  - a) Pumps wear out over time: switch to other pump if vacuum gets worse than 2 psi, re-build pump
- 4 Switch vacuum pumps from iFix
  - a) Silicon → SVX/ISL cooling → click on pump symbols
  - b) Automatic mode: one pump is 'Lead Pump'
  - c) 'Request Lead' for other pump: lead pump starts, valves switched, other pump stops automatically
  - d) Pumps and supply valves can also be switched manually

Coordinate with the Silicon SPLs